



AMREF INTERNATIONAL TRAINING CENTER

Qualification Code : 102105T4COH
Qualification : Assistant Community Health Officer Level 5
Unit Code : HE/OS/CH/CC/03/5/A
Unit of Competency : Apply Human Anatomy and Physiology

WRITTEN ASSESSMENT

Time: 3 hours

INSTRUCTIONS TO CANDIDATES

1. This paper consists of TWO sections, A and B.
2. You are provided with a separate answer booklet.
3. Marks for each question are as indicated.
4. Do not write on the question paper.

This paper consists of 3 printed pages

Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing

SECTION A: (40 MARKS)

Answer all questions in this section.

1. Define the following terms as used in human anatomy and physiology.
 - a. Tissue (2 Marks)
 - b. Organ system. (2 Marks)
2. Proper management of chronic disorders requires referrals to higher levels of health care systems. State FOUR essential elements of a referral system. (4 Marks)
3. Muscular system controls muscles in the body which aid in movement. Identify THREE disorders of the muscular system. (3 Marks)
4. Tissues are widespread throughout the body. Mention FOUR types of tissues. (4 Marks)
5. State FOUR reasons why you would refer a client to the hospital as community health worker. (4 marks)
6. Blood is a specialized body fluid in the human body. Outline FOUR components of blood. (4 Marks)
7. Integumentary system is the largest system of the human body. Identify THREE functions of the integumentary system. (3 Marks)
8. Globally, there are more than 100 types of cancer affecting human population. Highlight THREE approaches used towards cancer treatment. (3 Marks)
9. World Diabetes Day is held on 14 November each year as a global awareness campaign focusing on diabetes mellitus. Mention FOUR signs and symptoms of diabetes. (4 marks)
10. The respiratory system is a biological system consisting of specific organs and structures used for gas exchange in animals. Outline THREE components of the respiratory system. (3 Marks)
11. Communicable diseases account for more than 80% of morbidity burden in developing world. Outline FOUR primary preventions of communicable diseases. (4 Marks)

SECTION B:(60 MARKS)

Answer any **THREE** questions in this section.

12. The digestive system of a human body consists of a series of organs that have a connection together. This system allows the body to break down and let it absorb food and remove waste.
- a. Discuss FIVE disorders of the digestive system. (10 Marks)
 - b. Describe the process of digestion. (10 Marks)
13. The endocrine system is a complex network of glands and organs.
- a. Describe EIGHT functions of the endocrine glands. (16 Marks)
 - b. Discuss TWO disorders of the endocrine system. (4 Marks)
14. Globally, eight million people have auto- antibodies which are blood molecules that indicate a person's chance of developing autoimmune disease. These diseases are affecting more people for reasons unknown.
- a. Explain THREE disorders of the immune system. (6 Marks)
 - b. Discuss SEVEN emerging issues contributing to the high prevalence of auto-immune diseases in the developing countries. (14 Marks)
15. The circulatory system is a human body system that moves the blood, nutrients, oxygen and carbon dioxide around the body.
- a. With an aid of a diagram illustrate the structure of human heart. (8 Marks)
 - b. Describe SIX cardiovascular diseases. (12 Marks)

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